

Optics InfoBase

Published by The Optical Society of America

<< Previous Results 1 - 12 of 12 Sort By: Relevance | Most Recent Next >>

Export and save citations. Select articles then choose an action.

Icons
indicate
any
special
status.☐ Select all

Select an action...

Rel
wa
wa
FreSemiconductor integrated optical devices for photonic networks

- Wavelength Division Multiplexing Components (WDM) 1999 paper: 213
- OSA Trends in Optics and Photonics
- Takeuchi, Hiroaki; Yoshikuni, Yuzo
- Semiconductor integrated optical devices for photonic networks are summarized. One of them, an electroabsorption modulator integrated with a distributed feedback laser is effective...

Fre



Se

Embossed Bragg Gratings Based on Organically Modified Silane Waveguides in InP

- Applied Optics, Vol. 39 Issue 27, pp.4942-4945 (2000)
- Liu, Jian; Lam, Yee-Loy; Chan, Yuen-Chuan; Zhou, Yan; Ooi, Boon Siew; Tan, Gu; Yao, Jian
- Considering the large variety of applications for optical glass waveguide gratings, the effective production method of embossing for micropatterning, and the unique advantages of...

Se
fillA Tunable Wavelength Demultiplexer Using Logarithmic Filter Chains

- Journal of Lightwave Technology, Vol. 16 Issue 9, pp.1657- (1998)
- Lam, Cedric F; Vrijen, Rutger B; Chang-Chien, Patty P L; Sievenpiper, Daniel F; Yablonovitch, Eli
- This paper proposes a novel wavelength division multiplexer (WDM) demultiplexer design for dense WDM networks. The proposed demultiplexer consists of rectangular shaped periodic...



Low -Cost WDM-PON With Colorless Bidirectional Transceivers

- Journal of Lightwave Technology, Vol. 24 Issue 1, pp.158- (2006)
- Shin, Dong Jae; Keh, Y C; Kwon, J W; Lee, E H; Lee, J K; Park, M K; Park, J W; Oh, Y K; Kim, S W; Yun, I K; Shin, H C; Heo, D; Lee, J S; Shin, H S; Kim, H S; Park, S B; Jung, D K; Hwang, Seongtaek; Oh, Y J; Jang, D H; Shim, C S
- This paper presents a low-cost bidirectional (BiDi) wavelength-division-multiplexed passive optical network (WDM-PON) employing colorless uncooled BiDi transceivers (TRxs) and...



Ultra-compact microdisk resonator filters on SOI substrate

- Optics Express, Vol. 14 Issue 26, pp.12814-12821 (2006)
- Morand, Alain; Zhang, Yang; Martin, Bruno; Phan Huy, Kien; Amans, David; Benech, Pierre; Verbert, Jérémy; Hadji, Emmanuel; Fédéli, Jean-Marc
- The evanescent coupling of a 1.5 μm radius silicon microdisk with one or two Silicon-On-Insulator waveguides is studied. Thanks to the high refractive index contrast between Silica...



Doubly resonant single-layer bandpass optical filters

- Optics Letters, Vol. 29 Issue 10, pp.1135-1137 (2004)
- Ding, Y; Magnusson, R
- A bandpass filter based on guided-mode resonance effects in a single-layer periodic waveguide is presented. Strong refractive-index modulation is used to support the excitation of a...



Wavelength Selectivity of In-Line Fiber-Optic Filter Devices

- Applied Optics, Vol. 37 Issue 27, pp.6350-6354 (1998)
- Singh, Mukesh Pratap; Sharma, Anurag
- We present an analysis of the performance characteristics of in-line fiber-optic bandpass and band-stop wavelength filters. A planar waveguide model was used for numerical...



Postfabrication optimization of an autoregressive planar waveguide lattice filter

- Applied Optics, Vol. 36 Issue 3, pp.642-647 (1997)
- Madsen, Christi K; Zhao, Jian H
- Narrow-band planar waveguide filters are sensitive to fabrication errors that make it difficult to realize multistage filters successfully and maintain tight center wavelength...



Bandpass filters based on phase-shifted photonic crystal waveguide gratings

- Optics Express, Vol. 15 Issue 18, pp.11278-11284 (2007)
- Chen, Chao; Li, Xuechun; Li, Hanhui; Xu, Kun; Wu, Jian; Lin, Jintong
- In this paper, a bandpass transmission filter realized in phase-shifted waveguide gratings based on photonic crystals (PCs) is proposed. Phase-shift regions each composed of one...



Design and realization of an all-fiber broadband tunable gain equalization filter for DWDM signals

- Optics Express, Vol. 15 Issue 21, pp.13519-13530 (2007)
- Varshney, R K; Nagaraju, B; Singh, A; Pal, B P; Kar, A K
- Design and fabrication of a tunable gain equalization filter for dense wavelength division multiplexed (DWDM) signals through erbium doped fiber amplifiers (EDFA) is reported. It is...



Extended Optical Fiber Line Testing System Using New Eight-Channel L/ U-Band Crossed Optical Waveguide Coupler for L-Band WDM Transmission


- Journal of Lightwave Technology, Vol. 21 Issue 12, pp.3316- (2003)
- Araki, Noriyuki; Izumita, Hisashi; Honda, Nazuki; Nakamura, Minoru
- This paper describes the system design for an extended optical fiber line testing system that uses a new L/U-band crossed optical waveguide coupler and a fiber Bragg grating filter for...





Compact and Low-Loss Interleave Filter Employing Lattice-Form

Structure and Silica-Based Waveguide

- Journal of Lightwave Technology, Vol. 22 Issue 3, pp.895- (2004)
- Oguma, Manabu; Kitoh, Tsutomu; Inoue, Yasuyuki; Mizuno, Takayuki; Shibata, Tomohiro; Kohtoku, Masaki; Hibino, Yoshinori
- This paper describes a compact and practical interleave filter with uniform multi/demultiplexing properties and a wide operational wavelength range realized by using a lattice-form...

Export and save citations. Select articles then choose an action. 

☐ Select all

Select an action...  

<< Previous Results 1 - 12 of 12 Sort By: Relevance | Most Recent Next >>

© Copyright 2008 Optical Society of America
All Rights Reserved | [Privacy Statement](#) | [Terms of Use](#)